



Postal Registration No. N.E.-771/2006-2008

THE GAZETTE OF MEGHALAYA

PUBLISHED BY AUTHORITY

No. 46

Shillong, Thursday, November 12, 2015

21st Kartika, 1937 (S.E.)

Separate paging is given on this part in order that it may be filed as a separate compilation.

PART - IX

Advertisements and Notices by Government Offices and Public Service

NOTICES

STANDARD FORM OF APPLICATION

Photo

Dated, _____

To

The _____

Sir,

I beg to apply for the post of _____ and furnish the facts/as below in case of any false statement I am liable to any action Government may deem fit and proper. A Treasury Challan of Rs. _____ vide T. V. No. _____ is attached herewith.

Signature of Applicant

1. Full name in capital letters with address; if any; Surname first
(Please do not use any initials)

Surname

2. Date of Birth :

Year

Month

Date

3. Place of Birth :

Village/Town

Police Station

District

State

4. Father's/Mother's and Husband's (in case of married female)
(Please do not use initials).

5. Personal description :

A. Height

_____ M _____ Cm.

B. Colour of Eyes

C. Colour of Hair :

D. Visible distinguishing marks (if any)

6. A. Permanent Address in full.

B. Present Address in full.

C. If you have not resided at the above address continuously for the last four years. Please give the other address where you have resided during the period.

From :

To :

Address :

7. References :—

Name and address of two responsible persons in your localities who would be prepared to vouch for you.

A.

B.

8. Are you citizen of India? If so, how? (Copy of Citizenship Certificates should be enclosed where necessary).

9. Educational and other qualifications (Please attach copies of Certificates, Mark Sheets etc.)

Sl. No.	Name of Institution and Address	Date of entering	Date of leaving	Examination passed	Division	Subject taken
1.	2	3	4	5	6	7

1.

2.

3.

4.

5.

6.

10. Community :

(a) State your religion :

(b) Are you a member of Scheduled Caste/Scheduled Tribe? Answer "Yes" or "No". If "Yes" give particulars supported by a Certificate (Copy to be enclosed).

11. Present occupation, if any :

12. Previous appointment held, if any :

13. Are you a temporary/retrenched personnel of temporary Department of the Government of Meghalaya, Answer "Yes" or "No" (If "yes" give particulars).

14. Are you trained in or a member of the National Cadet Corps or Territorial Army? If so, give particulars.

15. Are you married or unmarried?

Signature.

Note : Particulars are to be filled in below the column in the space provided.

Tura, the 29th October, 2015.

SHORT NOTICE INVITING TENDER

No.PW/WZ/CS-12(W)/2015-16/1.—Sealed tender with a validity period of 120 days, affixing non-refundable court fee stamp of ₹ 1,000/- (Rupees one thousand) only to eventually drawn up in P.W.D. F-2 Form are invited from the Registered Class-I contractors of Meghalaya P.W.D. (R) for the under mentioned work and will be received by the undersigned upto 3.00 P.M. of 19th November, 2015 and will be opened on the same date and hours in presence of the tenderer or their authorized agent.

The detailed tender papers may be obtained from the office of the undersigned from 16th November, 2015 to 18th November, 2015 upto 2.00 P.M. on working days on payment of ₹ 500/- (Rupees five hundred) only non-refundable to the cashier of this office in cash.

Name of Work:- Construction of Parking Bay at Williamnagar Town (Job No.PW/WR/2013-14178).

Nature of work:- Earth work in cutting, filling, making subgrade and providing GSB, Metalling WBM Sub-base/base with Grade II & III metal providing Premix coat/tack coat, providing PMC and SC complete as directed providing R/wall & footpath etc.

Approximate value of work:- ₹ 1,70, 04, 000.00 (Rupees one crore seventy lakh and four thousand) only, In groups.

Rates:- Rates are to be quoted on flat percentage basis, *i.e.*, AT PAR/ABOVE the Schedule of Rates for Roads, Bridges and E & D Works in Tura and Williamnagar Circle for the year 2011-12.

Time of completion:- 12 (Twelve) months from the date of issue of Final Work Order.

Quarry:- As per sanctioned estimate.

Note:-

- If the date for receipt of tenders happens to be holiday, the tenders will be received and opened on the next working day at the same time and venue.
- Non tribal contractor shall have to produce valid Trading license from the Autonomous District Council of the state otherwise their tender will not considered as valid.
- Rights are reserved to reject any or all tenders without assigning any reason thereof.

M. R. SANGMA,
Additional Chief Engineer, P.W.D. (Roads)
Western Zone, Tura.

Shillong, the 30th October, 2015.

NOTICE INVITING TENDER

No.HEW/TB-No/235/81/25789-805.—Sealed Tenders affixing non-refundable Court Fee Stamp as mentioned below which eventually to be drawn in Meghalaya P.W.D. F-2 Form are invited from Class -I Registered Contractors of this Engineering Wing for execution of the following works having requisite experience/capability for execution of the work and will received by the undersigned upto 2.00 P.M. of 20th November, 2015. The tenders will be opened on the same date and time in presence of the intending tenderers or their authorized representative.

The detailed tender papers for casting of tenders and other particulars may be obtained from the Office of the undersigned on working days upto 3.00 P.M. on the 19th November, 2015 on payment of tender papers mentioned below (non-refundable).

Name of Work:- Restoration & Construction of Protection wall and Repair of Building due to landslide at Rongjeng C.H.C. in East Garo Hills District, Meghalaya.

Group No.	DESCRIPTION OF WORKS	Tender Value (in ₹)	Court Fee Stamp (in ₹)	Cost of Tender Papers (in ₹)	Time of completion from the date of issue of work order
I.	Restoration & Improvement of Main C.H.C. Building	11,00,000.00	300.00	500.00	6 months
II.	Restoration & Improvement of G.N.M. Quarter, Malaria Office and Transit Camp.	5,81,000.00	300.00	500.00	3 months
III.	Providing stone masonry retaining wall for ANM Quarters, Staff Quarters, M.O. Quarters and along the P.W.D. Road.	23,11,000.00	400.00	500.00	6 months

M. SHYLLA,
Executive Engineer,
Health Engineering Wing,
D.H.S. Meghalaya, Shillong.

Tura, the 29th October, 2015.

SHORT NOTICE INVITING TENDER

No.PW/WZ/CS-4(NH)/2015-16/1.—Sealed tender with a validity period of 120 days, affixing non-refundable Court Fee Stamp of ₹ 1000/- (Rupees one thousand) only to eventually drawn up in P. W. D. F-2 Form are invited from the Registered Class-I Contractors of Meghalaya P.W.D. (R) for the under mentioned work and will be received by the undersigned upto 3:00 P.M. of 19th November, 2015 and will be opened on the same date and hours in presence of the tenderer or their authorized agent.

The detailed tender papers may be obtained from the office of the undersigned from 16th November, 2015 to 18th November, 2015 upto 2.00 P.M. on working days on payment of ₹ 500/- (Rupees five hundred) only non-refundable to the cashier of this office in cash.

NAME OF WORK:- Construction of Lay Bye at K.M. 31/850 of NH-51 and construction of Lay Bye at K.M. 129/016 of NH-51 under SCA for the year 2014-15 (Job No. PW/ WR/2014-15/149).

TENDER VALUE:- ₹ 93,60,000/- (Rupees ninety three lakh and sixty thousand) only IN GROUPS.

Time of Completion:- 18 (Eighteen) Months from the date of issue of the final work order.

Rate:- Rate are to be quoted on flat percentage basis, *i.e.* AT PAR/ABOVE the P.W.D. (R) schedule of rates for Roads and Bridge for N.H. works in Garo Hills District, 5th Revision for the year 2014-15.

Quarry:- As per sanctioned estimate.

Note:-

- If the date for receipt to tenders happens to be holiday, the tenders will be received and opened on the next working day at the same time and venue.
- Non tribal contractor shall have to produce valid Trading license from the Autonomous District Council of the state otherwise their tender will not considered as valid.
- Rights are reserved to reject any or all tenders without assigning any reason thereof.

M. R. SANGMA,
Additional Chief Engineer, P.W.D. (Roads)
Western Zone, Tura.

Tura, the 29th October, 2015.

SHORT NOTICE INVITING TENDER

No.PW/WZ/CS-3(NEC)/2015-16/1.—Sealed tender with a validity period of 120 days, affixing non-refundable Court Fee Stamp of ₹ 1000/- (Rupees one thousand) only to eventually drawn up in P. W. D. F-2 Form are invited from the Registered Class-I Contractors of Meghalaya P.W.D. (R) for the under mentioned work and will be received by the undersigned upto 3:00 P.M. of 19th November, 2015 and will be opened on the same date and hours in presence of the tenderer or their authorized agent.

The detailed tender papers may be obtained from the office of the undersigned from 16th November, 2015 to 18th November, 2015 upto 2.00 P.M. on working days on payment of ₹ 500/- (Rupees five hundred) only non-refundable to the cashier of this office in cash.

NAME OF WORK:- Construction of Lay Bye/Wayside Amenities/Parking, Bays on Agia-Mendhipara-Phulbari-Tura (AMPT) Road under SCA for the year 2014-15 (Job No.PW/WR/2014-15/148).

TENDER VALUE:- ₹ 2,44,46,000/- (Rupees two crore forty four lakh and forty six thousand) only IN GROUPS.

Time of Completion:- 18 (eighteen) Months from the date of issue of the final work order.

Rate:- Rate are to be quoted on flat percentage basis, *i.e.* AT PAR/ABOVE the P.W.D. (R) schedule of rates for Roads and Bridge for N.H. works in Garo Hills District, 5th Revision for the year 2014-15.

Quarry:- As per sanctioned estimate.

Note:-

- If the date for receipt to tenders happens to be holiday, the tenders will be received and opened on the next working day at the same time and venue.
- Non tribal contractor shall have to produce valid trading license from the Autonomous District Council of the state otherwise their tender will not considered as valid.
- Rights are reserved to reject any or all tenders without assigning any reason thereof.

M. R. SANGMA,
Additional Chief Engineer, P.W.D. (Roads)
Western Zone, Tura.

Shillong, the 21st October, 2015.

No.CEKST.3/2001/211.—Under Section 13(2) of the Meghalaya Co-operative Societies' Act, (Assam Act-I of 1950 as adapted by Meghalaya), the amendments shown below in the Bye-Law of the Act "**Khwad Plantation & Industrial Co-operative Society Ltd.**", registered under the aforesaid Act on the 14th day of June, 2001 under No.SHILL.6 of 2001 has been dully registered in my office dated this _____ day of October in the year Two Thousand Fifteen Anno Domini.

The Bye-Laws amended and registered this day are as follows:-

Bye-Law No.9 (3) - The borrowing power of the Society will be 15 times on the total Paid up Share from members.

M. KHARBYNGAR,

Assistant Registrar of Co-operative Societies,
East Khasi Hills, Shillong.

Shillong, the 3rd November, 2015.

SHORT TENDER NOTICE

No.DH/Tech/4/2015/98.—Sealed tender in plain paper affixing non-refundable Court Fee Stamp at the rate indicated below for the under mentioned work to be eventually drawn up in M.P.W.D. F-2 form is hereby invited from Registered Contractor of M.P.W.D/P.H.E/Me.E.C.L. etc., and will be received by the undersigned up to 2.00 P.M on 16th November, 2015 and the same will be opened on the same day in presence of the Contractor/or their representative.

Sl. No.	Name of Work	Tender Value	Earnest Money	Court Fee Stamp	Time of Completion
1	Improvement of toilet at Unit I of MIG Quarter at Nongmynsong, Shillong	₹ 41,449/-	1 % for ST/ SC & 2 % for others	₹ 50/-	15 days

Detailed of particulars and term and conditions may be seen from the undersigned, Room No.410 of the 3rd Secretariat Building (Nokrek Building) during the office working hours.

R. M. KURBAH,

Director of Housing,
Meghalaya, Shillong.

OFFICE OF THE ADDITIONAL DIRECTOR GENERAL OF POLICE (F&ES)
MEGHALAYA, SHILLONG

Shillong, the 21st October, 2015.

NOTICE INVITING TENDER

No.FPM-12/13/2015-16/47-A.-Tender is invited from interested Manufacturer/Firm/Authorised dealer for entering into rate contract for procurement of Water Tanker during the Financial Year 2015-16. Sealed Tender will be received up to 13.00 hrs. on 24th November, 2015 and open on the same day at 15.00 hrs. in the office chamber of the Additional Director General of Police (F&ES), Meghalaya, Shillong. Specification and other instruction of the Water Tanker are enclosed at Annexure A.

The following are term and conditions:-

1. Tenders paper must be accompanied with:-

- a) Attached a recent passport size photograph of the Tenderer duly attested.
- b) Affix non-refundable Court Fee Stamp of Rs. 1000/ (Rupees one thousand) only.
- c) Earnest Money calculated at the rate of 2% of the total value of the items tendered. The Earnest Money as far as practicable shall be in the form of either (i) Deposit at Call. Or (ii) Fixed Deposit or (iii) NSC/KVP from any Nationalised bank at Shillong, pledged in favour of the Additional Director General of Police (F&ES) Meghalaya, Shillong. Tenderer belonging to Scheduled Tribes/Castes may deposit 50% of the amount.
- d) Attested copy of V.A.T. Clearance Certificate & V.A.T. Registration Certificate.
- e) Financial stability certificate from a Scheduled Bank certifying that the Tenderer is financially sound to undertake the contract.
- f) Attested copy of ST/SC Certificate in case of Scheduled Tribes/Castes or Attested copy of Trading License in terms of the United Khasi & Jaintia Hills and Garo Hills (Trading by Non-Tribal) Regulation, 1954 as amended from time to time.
- g) For Manufacturer attested copy of Registration Certificate and for Dealers, an Authenticated copy of Dealership Certificate from the Manufacturer/Principal certifying that the tenderer is authorized to deal with this Tender Notice.
- h) On item where the tenderer have an existing and valid DGS&D rate contract, the authenticated copy of such contract may be furnished.
- i) An undertaking stating that the tenderer himself/herself is satisfied with the terms & conditions of the N.I.T. and agrees to abide by the same for this tender.

2. Tenders shall be addressed to the undersigned by designation and not by name. The words "Tender for procurement of Water Tanker" must be superscribed on the sealed envelope.

3. Tender papers can be sent by post or deliver by hand. Tender received after 13.00 hrs. on the date fixed above by hand or by post will summarily be rejected.
4. Rates should be:-
 - a) Quoted clearly in figure and in words. Correction if any shall bear the initial signature of the tenderer himself/herself alongside. Overwriting if any, shall not be entertained.
 - b) Quoted F.O.R. destination, door delivery at Shillong.
 - c) Inclusive of all charges like transportation charge and other incidental charges. VAT should be quoted separately as deduction of Tax at source will be effected on Firm's bill accordingly.
5. Tenderer shall mention the type, brand, make and capacity of Chassis while quoting the rate.
6. Sealed Tender will be opened by a team of Officers on the date fixed. Tenderer or representatives/agents willing to present himself/herself during the tender opening shall bring with him/her the Firm's seal or Authorization Letter with Firm's seal in case of representatives.
7. (a) Objection(s) if any shall be done during the preceding of the Tender Opening. Raising objection after completion of the proceeding will be treated as null & void and the Department is not bound to entertain such objections.

(b) If at the time of opening of tender, any objection raised by the majority of the tenderer/ representatives present as to the validity of any tender, the objections shall be recorded and such objections will be put up to the Purchase Board for consideration. The decision of the Departmental Purchase Board on such objections will be final and binding.
8. The undersigned reserve to himself the right to reject any or all tenders without prior notice nor assigning any reason thereof.
9. The undersigned/department is not bound to accept the lowest rate.
10. Earnest money of un-successful tenderer(s) will be released after the selection of successful tenderer is finalised. Whereas, Earnest money of successful tenderer will be released only after furnishing the Security Deposit in full and within the date and time fixed by the undersigned failing which the same may forfeit to the govt.
11. Successful tenderer shall
 - (a) Be intimated by letter of acceptance. Till then, no Tenderer has any right to assume that his/her tender has been accepted. There shall be no claim whatsoever for compensation for any expenditure incurred by any tenderer in anticipation of acceptance letter.
 - (b) Have to execute a Contract Agreement to ensure fulfilment of the Terms and Conditions of this Tender, which the tenderer/supplier usually has to enter into.

(c) Furnish a Security Deposit at the rate indicated at Rule 11 below. Security Deposit will be held by the department free of interest and shall be subjected to forfeiture in case of non-fulfilment of all or any Terms and Conditions of the Contract.

12. Rate of Security Deposit shall be

- a) For contract up to Rs. 20.000/- 2% from locals and 3% from non-locals.
- b) For contract up to Rs. 50.000/- 3% from locals and 4% from non-locals.
- c) For contract up to Rs. 1.00.000/- 4% from locals and 5% from non-locals.
- d) For contract over Rs. 1,00.000/- 10% of the total amount (both local and non-local)

NB:-Schedule Tribes /Caste may deposit only 50% of the rates.

13. Once the rate offered in the tender is accepted, no enhancement of rates will be allowed under any circumstances and the tenderer will have to fabricate the Tanker at the rate accepted by the department. Failure to make the supply at the accepted rates will entail cancellation of Contract Agreement and the Security deposit will be forfeited with the Government.

14. Once the type, brand, make and capacity of Chassis offered in the tender is accepted, no changes will be entertained.

15. The undersigned may rescind forthwith the Contract if the supplier:-

- a) Assigns or sublets any contract in respect of the contract or any other contract entered into with the Govt.
- b) Tenderer or his agent/servant is found guilty of fraud in respect of this contract or any other contract.
- c) Decline, neglect or delay to comply with the demand/requisition or in any other way fails to perform or observe any or all the conditions of the contract agreement.

NB:- In case of such rescission, the Security Deposit in full shall stand forfeited and absolutely be at the disposal of the Govt. without prejudice to any other remedy or action that the Govt. shall be entitled to recover from such supplier any extra expenses that may be deemed necessary in obtaining the supplies from elsewhere.

16. In the event the tenderer failing to perform from his/her part, any or all the conditions of the Contract to the satisfaction of the department or disregarding any term and condition of this Tender or the Contract Agreement or neglect or delay in complying with the demand, such tenderer will be liable to any or all of the following actions at the discretion of the Additional Director General of Police (F&ES), Shillong.

- a. Forfeiture of the security deposit in whole or part.
- b. Making good the loss caused to the Government.
- c. Cancellation of the contract without any prior notice.

17. If the tenderer wilfully neglect, fails to perform or observe any condition of the Contract Agreement or Notice Inviting Tender or attempts to cheat or indulge in foul practices, the department may impose a ban upon such Tenderer (s) for future businesses.

18. (a) Delivery shall be completed within 90 (ninety) days from the date of receipt of Requisition/Supply Order. No extension of delivery period will be entertained. If for any genuine reason, extension of delivery period is required, an application for the same shall be submitted well in time after receiving the supply order and not later than the date fixed for completion of supply. Application received after the stipulated date (delivery period) will not be considered.

(b) The appliance received after the stipulated date as indicated at 18(a) above; may at the discretion of the undersigned liable for imposition of a penalty/fine at the rate of 0.5% for every week limited to 2% of the total contract value.

19. Warranty period of the equipments shall be indicated with sales service facility which is not less than a period of one year from the date of testing/acceptance.

20. The appliance shall be inspected, tested and accepted by the team of Officers. Till then, the supplier shall not presume that the appliance supplied has been accepted by the Department. If any appliance or accessories or fittings or items found that it is not in good condition or not complied with specification, etc. the same will be rejected and returned to the concern tenderer.

21. Risk of transportation will be borne by the supplier.

22. Subject to acceptance, payment shall be made to the suppliers.

M. R. VIJAYA KUMAR,
Addl. Director General of Police (F&ES),
Meghalaya, Shillong.

GIST

NOTICE INVITING TENDER.

SEALEDTENDERS IS INVITED FROM INTERESTED FIRM/MANUFACTURER /AUTHORISED DEALER FOR PRUCUREMENT OF WATER TANKER DURNG THE YEAR 2015-16. TENDERS WILL BE RECEIVED UPTO 13:00 HRS. ON 24. 11. 2015 AND OPEN ON THE SAME DAY AT 15:00 HRS IN THE OFFICE CHAMBER OF THE ADDITIONAL DIRECTOR GENERAL OF POLICE (F&ES), MEGHALAYA SHILLONG.

DETAILS OF TENDER IS AVAILABLE AT ROOM NO 48, POLICE HEADQUARTER COMPLEX SHILLONG, DURING OFFICE HOURS AND [http:// www.megpolice.gov.in](http://www.megpolice.gov.in).

ADDL. DIRECTOR GENERAL OF POLICE (F&ES),
MEGHALAYA, SHILLONG.

ANNEXURE-A**SPECIFICATION AND OTHER INSTRUCTION OF WATER TANKER****Sl
No Instruction /Specification****1. CHASSIS& ENGINE**

- a) The Chassis, Engine shall be capable of carrying of not less than 10,000 litres of water. The Chassis, Engine, shall be of reputed Make and of brand new product.
- b) Tyreincluding Spare tyres and rims shall be of branded Make and latest product.
- c) All items of fitting and components shall be designed, fabricated, assembled and treated in accordance with the relevant standard published by BIS. In case where suitable BIS specifications are not available the equipment shall conform to generally accepted codes and practice.

2. CABIN

- i. Enclosed accommodation for seven persons shall be provided in the driver cab-cum-crew compartment including the driver and the in-charge of the crew. The seats shall be independent to each other and shall be rigidly fixed to the floor by means of nuts and bolts. The driver's seat shall be adjustable vertically, forward or backward and comfortable.
- ii. The crew seat shall be rigidly fixed to floor by means of nuts and bolts, running full width of the vehicle suitable for sitting 5(five) Firemen. Below the crew seat, two lockers shall be provided for keeping accessories.
- iii. The seat cushion shall be of latex foam rubber 75 mm thick upholstered in good quality foam leather cloth. The back seat shall be of latex foam rubber 50 mm thick upholstered in good quality foam leather cloth.
- iv. The cabin shall be provided with full four doors, one for driver, one for officer in-charge and two at the crew compartment. The doors shall be generously sized for easy embarking/disembarking of crew members. All the doors shall be fitted on the super structural members, each hung upon three invisible coach type mild steel stout hinges and fitted with best quality handles.
- v. The ceiling of the cabin shall be made with thick aluminiumchequered plates.
- vi. One roof light shall be provided in the driver's cabin dwell vision and external rear view mirrors shall be fitted to the cab
- vii. The cab floor shall be covered with 3 mm thick aluminiumchequered plate rigidly fixed to the frame cross members by means of nuts and bolts or riveting. Trap doors for topping up oil etc. wherever necessary shall be provided.
- viii. Cab door should have safety glasses. Grab rails and non-slip steps to be provided wherever necessary.
- ix. The door handle on outside of driver seat shall have a locking arrangement. Other doors

shall be lockable from inside. In addition to the doors locks, aluminium tower bolt of 20 mm shall be provided for all the doors from inside adequate grab rails shall be provided for easily boarding and alighting from the appliance. Provision of steps as required to enter into the cabin should be made and one hanging rail with three holders should be provided inside the cabin.

- x. The structure/frame work of the cabin shall be of welded constructions and made from 2 mm thick MS pressed sections and square tubes. The angles and channels used shall be of min. 3 mm thickness. The complete structure materials shall be treated for anti-corrosion by Zinc Plating. The plating thickness shall not be less than 20 microns. Two coats of Epoxy paint shall be applied to the completely welded structure. The structure shall be so designed to avoid any vibration/rattling/deformation in the intended usage of the vehicle.
- xi. The entire roof of the vehicle, cabin floor and locker shall be covered with minimum 1.60 mm thick aluminium chequered plates.

3. **WATER TANK**

- a) A tank shall be Elliptical in shape with tank capacity of not less than 8000 liters. It shall be constructed out of mild steel plate. The thickness of the plate for bottom and side is not less than 4mm whereas top & baffle 3mm. The shape and mounting shall be in such a way so as to bring the center of gravity as low as possible.
- b) The tank shall be suitably baffled of not less than 2 numbers of baffles fitted longitudinally and 2 numbers baffles fitted transversely to prevent surge when the vehicle is breaking, cornering or accelerating. The baffles shall be arranged in a manner to facilitate the passage of a man throughout the tank for cleaning purpose.
- c) A full length runner from behind the driver cabin till end of chassis frame shall be provided and made out of mild steel Channel of 100 x 50 x 5 mm suitably fixed to the chassis, frame with 6 mm thick mild steel plate and bolted to chassis frame wherever holes are available in the chassis frame and also with 16 mm 'U' bolts and shall be nylock nuts only.
- d) The tank shall be mounted on minimum three cross members to counter act the stresses caused by chassis flexion and shall be so secured that it can be easily removed. The water tank shall be provided with six chairs, three on either side for mounting the tank on the runner and chassis frame. The tank shall be suitably mounted in a manner keeping in view the proper load distribution on the axles.
- e) The tank shall be fixed to the chassis frame and runner with 'U' clamps of 16 mm diameter with aluminium packing block and self-locking nuts.
- f) Suitable eyes shall be provided on the shell of the tank to enable it to be lifted from the vehicle for repairs / replacement as and when required.
- g) The tank shall have an inspection bolted manhole on top of the tank of 450mm in dia. and shall have a gun metal male instantaneous coupling for filling the water tank from the top of the cover. The manhole cover shall be made from 5 mm thick mild steel plate and epoxy coated from inside and outside.
- h) The tank shall be connected with the pump at such a way so as to allow the full contents of

the tank into the pump and necessary valve(s) shall be provided.

- i) The mild steel plates used for the tank shall be given adequate anti-corrosive treatment of epoxy treatment consisting of one coat of primer with two coats of finish after preparing the surface by sand blasting from inside and outside after fabrication.

4. **PUMP**

- a. The Pump shall be of centrifugal type and capable of delivering 1800 LPM at 7Kg/cm²/100 Psi(400 G.P.M. at 100 Psi) pressure and so designed as to afford easy access to the impeller.
- b. It should be of double stage and as light as possible.
- c. The Pump shaft shall be made of stainless steel and shall be carried in anti-friction bearings external of the casing.
- d. The impeller rings shall be removable type and manufactured from high quality bronze.
- e. The gland shall be self-adjustable type.
- f. A drain plug shall be provided.
- g. The Pump shall have suction inlet having of 100 mm standard suction connection with internal strainer(s) and blank cap(s). The strainer(s) shall be retained firmly when in use but shall be easily removable.
- h. The pump shall be provided with two delivery valves having 63 mm standard hose instantaneous female couplings (see IS : 903) with screwed wheel type quick closing clack valve (see IS : 4928). Blank caps fastened with chains and incorporating means to relieve pressure between the valve and the cap shall be provided one for each delivery valve.
- i. Pump side works should be covered by Aluminium chequered sheets. However, all the controls on the panel and the gauges shall be uncovered.
- j. The pump shall be coupled to the prime-mover of the chassis through a power take-off capable of transmitting full torque of the engine used for the appliance.
- k. All propeller shafts and all fittings used for coupling the power take-off (PTO), pump etc. shall be of the same size and type as used by the chassis manufacturer for the drive line.

5. **POWER TAKE OFF (PTO)**

- a) Full torque drive link take off shall be provided to ensure high efficiency. TATA make P.T.O. to be provided.
- b) The PTO shall be of heavy-duty capable of transmitting the full power of the engine to the pump. The PTO unit will match with the engine and pump characteristics.
- c) A control lever for engaging and disengaging the pump, with suitable locking devices, shall be provided in the driver's cab.

6. **PRIMER**

An automatic reciprocating double stage primer capable of lifting water at the rate of one foot per second from a depth of 24 feet having positive displacement twin position air pump shall be provided.

7. **COOLING SYSTEM**

The engine shall be provided with cooling system to permit its continuous stationery running without overheating. Indirect cooling system shall be incorporated, which shall be of the open

circuit type discharging water to the waste. Arrangements shall be made to divert the cooling discharge water to water tank.

8. **CONTROL PANEL**

Apart from the driver's dashboard control panel, there shall be an illuminated control panel near the delivery and suction side of the pump. The following shall be provided.

- a. Throttle control
- b. Compound gauge – vacuum 0.75 cm.
- c. Pressure gauge (calibrated from 0 to 17.5 Kg per cm²/0 to 250 Psi)
- d. Hydrant connection for filling water tank.
- e. Pump inlet and delivery outlets

9. **STOWAGE**

The following shall be provided in the Appliance

- a) Provision for storing of 4 (four) lengths of 10 feet length suction hose in convenient location. The design shall be in such a way that it can be withdrawn by one man without difficulty.
- b) Provision for storing 1 (one) no. of floating fire pump.
- c) Provision for storing of 4 (four) lengths of Delivery hose.

10. **WORKMANSHIP**

- a) Workmanship executed shall be of highest order. All parts/materials used in the fabrication of the body shall be of reputed make and good quality. The structure of the vehicle shall be rattling free and noiseless when in motion.
- b) All materials to be used shall be of reputed make and good quality. All equipments and materials shall comply with the requirements of the National/ International standards.
- c) All mechanical and other parts shall be such that the parts normally required to be replaced can be supplied and will fit in correctly without any hindrance.
- d) All parts of the appliance shall be of good workmanship and shall have streamlined finish.

11. **PAINTING**

- a) Two coats of anti-corrosion & one Zinc phosphate priming coat shall be applied on all material used in the fabrication of the tanker before painting.
- b) The appliance shall be painted with DUPONT/DOCCU/CDS/ASIAN Make using double coated spray painting in dark blue for water tank and yellowish /cream colour for cabin.
- c) The Chassis, Bumper, Wheel arch, etc. shall be painted black.

12. **MARKING**

Vehicle shall clearly and permanently be marked with the following preferably on a metal plate attached in the Driver's cabin and also near the pump operating control panel.

- a) Manufacturer's Name or Trade mark.

- b) Year of manufacturing.
- c) Engine & Chassis No.
- d) Capacity of the pump in litres/minute, and
- e) Water tank capacity in litre.

13. STABILITY

The stability of the appliance shall be such that when under fully equipped and loaded conditions (but excluding crew), if the surface on which the appliance stands is tilted to either side, the point at which overturning occurs is not passed at an angle of 30 degrees from the horizontal.

14. MISCELENEOUS

- a) The Vehicle (Water Tanker) shall not violate the provision contained in the MV Act and MV Rules or any other statute thereon. All equipments necessary for R.T.O clearance shall be provided on the vehicles.
- b) A suitable bumper shall be provided at the rear rigidly fixed to the super structural members by means of nuts and bolts, fabricated from 100 x 50 x 5 mm mild steel channel.
- c) Two cat ladders made out of stainless steel round or square pipe of 25 mm diameter shall be provided.
- d) Towing arrangement at the rear shall be provided for towing Trailer Pump and Drag Hooks on the front of the vehicle to tow or pull heavy objects by the vehicle.

15. ACCESSORIES & FITTINGS

The following shall be fitted suitably with the appliance:

- a) Fire Bell 250 mm diameter fire bell (hand operated type) mounted externally and shall be capable of being operated from within the cabin. - 1No.
- b) Electric siren (Heavy Duty 'KHERAJ' MAKE). - 1 No.
- c) Powerful fog lamps fitted with 55 watts Halogen bulbs. - 2 Nos.
- d) Powerful reversing light with 25 watts Halogen bulb. - 1 No.
- e) Revolving amber blinker lights (VIP lights) mounted on top of the cabin - 2 Nos.

16. TOOLS & EQUIPMENT

The following tools & equipment shall be supplied along with the appliance/ Water Tanker:

(i) Equipment:

- a) Floating pump(Niagara brand) - 1 No.
- b) Suction Hose 4" dia X 10 ft. length fitted with couplings - 3 lengths
- c) Metal strainer 4" dia - 1 No.
- d) Basket strainer - 1 No.

e) Suction wrench - 1 pair.

f) RRL Delivery Hose with couplings 63 mm dia., & 22.5 mtrs. in length - 4 Nos.

(ii) Tools for running repairs:

a) D.E. spanners, 6mm to 26mm - 1 (one) set of 12 pieces

b) Screw drivers 12" - 1 No.

c) Combination pliers 8" - 1 No.

d) Slide wrench 12" - 1 No.

e) All tools required for normal routine maintenance of the appliance which are not included in the kit for the chassis.

(iii) A specially fitted recessed tray for the normal kit of tools, carried on the appliance, shall be provided.

17. INSTRUCTION BOOK

An Instruction Book for guidance of the user containing both operating and maintenance procedure shall be supplied. The book with full-illustrated list of spare parts giving reference to all the wearing parts.

Addl. Director General of Police (F&ES),
Meghalaya, Shillong.